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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/525,229

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Oliver Feilen

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EXAMINER

TRAORE, FATOUMATA

ART UNIT

PAPER NUMBER

2436

MAIL DATE

DELIVERY MODE

04/01/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/525,229	Applicant(s) FEILEN ET AL.	
	Examiner FATOUMATA TRAORE	Art Unit 2436	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/21/2009 has been entered. Claims 1-11 have been cancelled. Claims 12-29 have been added. Claims 12-19 are pending and have been considered below.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 12 recites the limitation "said system memory" in line 10. There is insufficient antecedent basis for this limitation in the claim.

4. Claim 12 recites the limitation "said vehicle" in line 10. There is insufficient antecedent basis for this limitation in the claim.

5. Claim 13 recites the limitation "said system memory" in line 1. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 19 recites the limitation "said system " in line 5. There is insufficient antecedent basis for this limitation in the claim,

7. Claim 19 recites the limitation "said system memory " in line 10. There is insufficient antecedent basis for this limitation in the claim

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8. Claim 19 recites the limitation "said identifier " and "said read identifier" in lines 5 and 6. There is insufficient antecedent basis for this limitation in the claim

9. Claims 12 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. claim 12 recites the limitation of an identifier on lines 4 and 7 of the claim. Claim 19 recited the limitation of "a readable identifier", "said read identifier", "and identifier" It is unclear to the examiner if the identifiers are the same or different. For examination purpose, only the examiner will treat the claims to have a first and a second identifier.

Claim Rejections - 35 USC § 103

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 12, 14, 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 7,100,036) in view of Peltier (US 6,671,611).

Claim 12 and 19: Schwartz discloses a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional in operating a control device of a component of said vehicle and a method of preventing manipulation of a memory module functional in operating a control device of a motor vehicle component(*column 3, lines 1-30 of Peltier*), comprising:

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- i. means for reading an identifier stored in a first memory module functional in operating said control device(*paragraph [0019]; Fig. 1, item 42, Fig. 2, step 204*);
- ii. means for storing said identifier in a read only memory of said system (*paragraph [0019]; Fig. 2, step 206*);
- iii. means for reading an identifier stored in a second memory module intended to replace an installed memory module, functional in operating said control device (*paragraph [0018]; (Fig.1, item 16; Fig. 2, step 216)*; and
- iv. means for authenticating said second memory module by comparing the identifier of said second memory module with the identifier stored in said system memory (*paragraph [0021]; Fig. 2, step 220*).

Schwartz does not explicitly disclose that the memory module is functional in operating a control device of a component of a motor vehicle. However, Peltier discloses a method and system for identifying parameters of engine, which further disclose that the memory module is functional in operating a control device of a component of a motor vehicle component (*column 4, lines 18-30*),

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the teaching of Schwartz such as to use a control device of a component of a motor vehicle. One would have been motivated to do so in order to properly installed a component in a motor vehicle(*column 3, lines 1-30*) as taught by Peltier

Claim 14: Schwartz and Peltier disclose a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional as in claim 12 above, and Peltier further discloses that the system further includes a microprocessor provided with said storing and authenticating means(*column 22, lines 39-62; Fig. 3 item 97*).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the teaching of Schwartz such as to include a includes a microprocessor. One would have been motivated to do so in order to properly installed a component in a motor vehicle(*column 3, lines 1-30*) as taught by Peltier

Claim 18: Schwartz and Peltier disclose a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional as in claim 12 above, and Peltier further discloses wherein said control device comprises one of a group consisting of the engine, transmission, turbocharger, oil cooler and brake control devices of said vehicles(*column 4, lines 30-50*). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the teaching of Schwartz such as to include engine. One would have been motivated to do so in order to properly installed a component in a motor vehicle(*column 3, lines 1-30*) as taught by Peltier

12. Claims 13, 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 7,100,036) in view of Peltier (US 6,671,611) in further view of Krauter et al (US 2001/0027524).

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Claims 13 and 15: Schwartz and Peltier disclose a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional as in claims 12 and 14 above, while neither of the explicitly discloses wherein said storing means of said system comprises a one-time programmable module. However, Krauter et al discloses system for detecting manipulation of programmable memory device, which further discloses wherein said storing means of said system comprises a one-time programmable module(paragraph [0016]). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combined teaching of Schwartz and Peltier such as to use a one-time programmable memory. One would have been motivated to do so in order to prevent unauthorized manipulation of a control program(paragraph [0008])) as taught by Krauter et al

Claim 16: Schwartz, Peltier and Krauter et al disclose a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional as in claim 15 above, and Schwartz further discloses wherein said storing means comprises a flash memory (paragraph [0013]).

13. Claims 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 7,100,036) in view of Peltier (US 6,671,611) in further view of Krauter et al (US 2001/0027524) and Berra (US 5,787,367).

Claim 17: Schwartz, Peltier and Krauter et al disclose a system mountable in a motor vehicle effective in preventing manipulation of a memory module functional as in claim 15above, while neither of the explicitly discloses a means for encrypting data stored in

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said storing means which can be decrypted by a key comprising said identifier. However, Berra discloses flash reprogrammable security for vehicle computer, which further discloses a means for encrypting data stored in said storing means which can be decrypted by a key comprising said identifier (*column 5, line 50 to column 6, line 22*) Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combined teaching of Schwartz, Peltier and Krauter et al such as to decrypt data with the identifier/password. One would have been motivated to do so in order to control reprogramming of on board vehicle computer (*column 2, lines 60-67*) as taught by Barre

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fatoumata Traore whose telephone number is (571) 270-1685. The examiner can normally be reached Monday through Thursday from 7:00 a.m. to 4:00 p.m. and every other Friday from 7:30 a.m. to 3:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nassar G. Moazzami, can be reached on (571) 272 4195. The fax phone number for Formal or Official faxes to Technology Center 2100 is (571) 273-8300. Draft or Informal faxes, which will not be entered in the application, may be submitted directly to the examiner at (571) 270-2685.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group Receptionist whose telephone number is (571) 272-2100.

Friday, March 27, 2009

/F. T./

Examiner, Art Unit 2436

/Nasser G Moazzami/

Supervisory Patent Examiner, Art Unit 2436